



KRAISLER RESEARCH GROUP
at the Fritz Haber Research Center
Hebrew University of Jerusalem, Israel



האוניברסיטה העברית בירושלים
THE HEBREW UNIVERSITY OF JERUSALEM

seeks a motivated and talented **Ph.D. student**

to pursue cutting-edge research in the field of electronic structure and density functional theory. The research in our group lies at the nexus of theoretical chemistry, solid state physics and computational materials science. Our overarching aim is to be able to predict properties of materials from first principles of quantum mechanics, for a variety of environments and regimes. Open research project include method development in density functional theory, numerical implementation in many-electron and DFT codes and applications in materials science and warm dense matter.

Requirements

- MSc* in chemistry, physics, materials science or related fields
[* for direct-track PhD – a BSc]
- Scientific curiosity and creativity is a must!
- Ability to work alone on a scientific task, and also to be part of a team
- Strong motivation to solve unusual scientific challenges
- Excellent communication skills
- Experience in theory development or in numerical methods or in scientific software development is an *advantage*.
- Knowledge of many-electron theory or density functional theory is an *advantage*.

What we offer

- You will carry out a cutting-edge theoretical and computational research
- Opportunity to learn important theoretical methods and powerful computational techniques
- Scientific excellence and intellectual environment of the Fritz Haber Research Center
- Welcoming and dynamic atmosphere of a young and vibrant research group
- Be part of international collaborations and participate in conferences abroad

Interested?

Please send a CV and your grades list to Dr. [Eli Kraisler](mailto:eli.kraisler@mail.huji.ac.il) at eli.kraisler@mail.huji.ac.il